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PATENT
Attorney Docket No. 175912

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Boyd

Application No. 09/427,873

Filed: October 27, 1999

For: METHODS OF USING
CYANOVIRINS TO INHIBIT VIRAL
INFECTION

Group Art Unit: 1648

Examiner: J. Parkin

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RESPONSE TO OFFICE ACTION

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

In response to the Office Action dated May 4, 2001, please consider the following remarks.

REMARKS

The Present Invention

The present invention is directed to a method of inhibiting therapeutically or prophylactically a viral infection of a host. The method comprises administering to the host an antiviral effective amount of an isolated and purified antiviral agent selected from the group consisting of an antiviral protein, an antiviral peptide, an antiviral protein conjugate, and an antiviral peptide conjugate, wherein the antiviral protein or antiviral peptide is encoded by an isolated and purified nucleic acid molecule encoding at least nine contiguous amino acids of SEQ ID NO: 2, wherein at least nine contiguous amino acids of SEQ ID NO:2 have antiviral activity, whereupon administration of the antiviral effective amount of the antiviral agent, the viral infection of the host is inhibited.